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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/099,916	03/14/2002	John H. Oates	0102323-00096	3588
21125	7590 07/12/2006		EXAM	INER
	CCLENNEN & FISH I DE CENTER WEST	LLP	BOCURE, TI	0096 3588 EXAMINER BOCURE, TESFALDET
155 SEAPORT BOULEVARD			ART UNIT	PAPER NUMBER
BOSTON, M.	A 02210-2604		2611	

DATE MAILED: 07/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/099,916	OATES, JOHN H.			
Office Action Summary	Examiner	Art Unit			
	Tesfaldet Bocure	2611			
The MAILING DATE of this communicate Period for Reply	ion appears on the cover sheet wi	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAIL - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communice. If NO period for reply is specified above, the maximum statutor. - Failure to reply within the set or extended period for reply will, I Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ING DATE OF THIS COMMUNIC CFR 1.136(a). In no event, however, may a reation. y period will apply and will expire SIX (6) MON by statute, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed of 2a) This action is FINAL . 2b) Since this application is in condition for a closed in accordance with the practice upon the condition of the condition of the closed in accordance with the practice.	This action is non-final. allowance except for formal matt				
Disposition of Claims					
4)	ithdrawn from consideration.				
Application Papers					
9) The specification is objected to by the Example 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by	accepted or b) objected to to the drawing(s) be held in abeyan correction is required if the drawing(ce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-83) Information Disclosure Statement(s) (PTO-1449 or PTO Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date uformal Patent Application (PTO-152) 			

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DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 1,3-10, 12-14 and 16-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claimed invention is not limited to a practical application. Viewed as a whole, the claimed invention merely distributes and executes the cross-correlations among the waveforms transmitted by the users.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1,3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hertz et al., Hertz hereinafter (US patent number 5,917,829, newly cited). Hertz teaches a receiver for receiving a plurality of spreaded signal by a plurality of users comprising: a plurality of correlators (36 fig. 4) for receiving the respective users waveforms; and cross-correlating the respective waveform from each users using a respective correlator as in claims 1 and 3.

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Further to claim 4, Hertz also teaches that the received symbols are detected by the final detectors (39).

Hertz teaches that each of the correlators correlates a respective signal from each of the users, however he Hertz fails to teach is that the received signal (signal in figure 4) is partitioned substantially equal among the plurality of correlators corresponding to the respective users as in claim 1 and defining a metrics associated with each partitions in accord with the relation B=A_i-A_{i-1} as in claim 5.

Therefore it would have been obvious to one of an ordinary skill in the art to use the plurality of correlators assigned to each of the received signals by a plurality of users in order to cross-correlate the received waveform and detect the corresponding data at the time the invention was made.

Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US patent number 6,975,666 issued to Affes et al. discloses a base station receiving a plurality of users data having a corresponding correlator for each of the users to correlate the received spread spectrum signal.
- Any inquiry concerning this communication or earlier communications from the 6. examiner should be directed to Tesfaldet Bocure whose telephone number is (571) 272-3015. The examiner can normally be reached on Mon-Thur (7:30a-5:00p) & Mon.-Fri (7:30a-5:00p).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayanti (Jay) Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T.Bocure

Tesfaldet Bocure
Primary Examiner
Art Unit 26/17